



ATTACHMENT C.2:

**MEASURES TO PREVENT UNINTENDED
DISCHARGES**

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The Waste Water Treatment Works at Coachford has been designed and incorporates the following key measures to prevent unintended discharges to the Inniscarra Reservoir:

- SWOs (SW005, SW006 and SW007) have been designed to meet the definition of 'Storm Water Overflow' as per Regulation 3 of the European Union (Waste Water Discharge) Regulations 2007 to 2020 and the criteria as set out in the DoEHLG 'Procedures and Criteria in Relation to Storm Water Overflows', 1995.
- Provision of 120m³ of storm storage provided at the WwTP.
- All alarms are linked to level measurement to alert to any spillage and are linked to SCADA with alarms sent to operators in the result of an emergency event.
- Uninterruptible Power Supply (UPS) backup for telemetry/plant controllers.
- An Emergency Response Plan and Procedures, Operation and Maintenance Procedures for all equipment will be in place and implemented by the appointed plant operator, as required.
- All operators will be fully familiar with all operational plans and procedures pertaining to the plant and network *etc.*
- At the Storm Water Tank, a standby pump will activate upon failure in order to pump Storm Water back to WwTP.
- Storm Water Overflows are screened to 6mm.
- Upon activation, the overflow volumes are recorded *via* flow meters.
- Daily Flow Reports from the WwTP are received by the Control Room *via* SCADA.
- In the event of an emergency, a call out alarm system is in place in order to alert the contractor.
- FOG treatment is not included in the WwTP as fats, oils and greases were never an issue to the existing works. However, the design will give due consideration to a layout that will enable FOG equipment to be retro-fit at a later date if required.
- 30kVA mobile standby generator to be provided to WwTP, along with a connection point in the event of an interruption to the plants power supply.

Refer to **Section C.2** of the application form for further details on the prevention and monitoring measures at the WwTP and on the network.

The Coachford WwTW has been designed to prevent unintended discharges from the works and to ensure that all emissions from the agglomeration comply with or will not result in the contravention, of any national or European legislation.